

# Lithium energy storage latest news

Which energy storage projects are using lithium-ion Bess technology?

Just over 70% of the successful projects in the first window of the UK's long-duration energy storage (LDES) scheme are using lithium-ion BESS technology. RWE Renewables Australia has successfully registered Australia's first 8-hour duration battery energy storage system (BESS) with the Australian Energy Market Operator (AEMO).

Can electrolyte agglomeration be prevented in lithium metal batteries?

Long charging times remain a critical limitation for state-of-the-art lithium metal batteries. Now, an electrolyte design inhibits inorganic agglomeration in solid electrolyte interphases, unlocking fast-charging capabilities in high-energy-density lithium metal batteries.

Are solid-state lithium-sulfur batteries a viable alternative to traditional lithium-ion batteries?

Solid-state lithium-sulfur batteries offer enhanced energy density and safety over traditional lithium-ion batteries, making them ideal for advanced applications. Here, this Review examines their recent advances and highlights challenges encountered in practical applications and recommendations for industrial development.

Can polymer coatings passivate lithium?

A new study demonstrates that polymer coatings can both passivate the reactive lithium metal and selectively modulate interfacial electrolyte species, enabling stable cycling of high-energy-density pouch cells.

How much money has Eolian secured for energy storage?

US energy storage businesses secure more than \$1 bn in flurry of deals Eolian, Energy Vault, NineDot and Greenflash have secured more than a billion dollars between them to advance their energy storage plans.

Three non-lithium energy storage projects came online in August, Rho Motion said, the largest of these being a 100MW/400MWh flow battery project in China, the Poly Flow ...

The storage facility is a part of a natural gas-powered electricity plant operated by Vistra Energy, a Texas company. The facility also has a battery storage station owned by ...

Evacuations were lifted Friday night for people near an ongoing fire that erupted Thursday at one of the world's largest battery storage plants in ...

2 &#0183; PRESS RELEASE: Lyten Acquires Europe's Largest Battery Energy Storage Systems Manufacturing Operation from Northvolt by hai | Jul 1, 2025 | Batteries, Battery Supply Chain, ...

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A multi-institutional research team led by Georgia Tech's Hailong Chen has developed a new, low-cost cathode that could radically improve lithium-ion batteries (LIBs) -- ...

BatteriesDaily delivers comprehensive updates and analytical perspectives on the latest developments in the field of Li-ion Batteries, tailored to assist in informing strategic decisions ...

Evacuations were lifted Friday night for people near an ongoing fire that erupted Thursday at one of the world's largest battery storage plants in the northern half of California. ...

The US Department of Energy (DOE) has committed to a \$1.4 billion loan for a project that will use an emerging technology to separate lithium from geothermal brines in ...

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The Trump administration's China tariffs have piled atop existing and developing trade barriers on battery energy storage systems, components, and materials - destabilizing ...

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